

**SYSTEM, METHOD & DEVICE FOR TUNING A SWITCHED  
TRANSMISSION LINE FOR ETHERNET LOCAL AREA  
NETWORK-ON-MOTHERBOARD (LOM)**

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ABSTRACT OF THE DISCLOSURE

10 A method, system and device are disclosed for  
compensating or tuning one or more communication pathways  
between an external network and an information handling  
system. In one aspect, one or more inductive devices may  
be coupled to one or more transmission lines coupling a  
physical layer transceiver (PHY) to one of a plurality of  
external network communication ports via a board-mounted  
communication switch. Selection and placement, such as  
15 serial placement, of the one or more inductive devices  
depends, at least in part, upon one or more electrical  
characteristics of the transmission lines, the PHY, the  
communication switch and requirements of the external  
network.